

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**Constructed Response: System of Equations**

1. Richard wants to join 1 of 2 gyms near his home. One gym charges an enrollment fee for joining the gym. Both have monthly membership fees, as shown below:

- SWEAT: \$25.00 per month
- Planet Fitness: \$130 Flat Fee plus \$10.00 per month

A. Calculate the cost of the membership at each gym. Show all your work.

B. Write an equation for each gym's membership that describes the relationship between the number of months of membership (x) and the total cost (y).

Answered the question	Computation is correct	Every step in the SHOW section has a matching EXPLANATION	
Used a T-Chart	Work is NEAT and CLEAR		
Put a final answer in the box	Appropriate until is included in the answer		
Showed all work		T-CHART	
Comments		SHOW	EXPLAIN
		STEP 1	1
		STEP 2	2
		STEP 3	3

1. Richard wants to join 1 of 2 gyms near his home. One gym charges an enrollment fee for joining the gym. Both have monthly membership fees, as shown below:

- SWEAT: \$25.00 per month
- Planet Fitness: \$130 Flat Fee plus \$10.00 per month

C. Determine the number of months at which the total costs of membership at each gym will be the same amount of money. Show all your work and explain in sentences for each step.